रजिस्ट्री सं० डी-(डी एन)—73

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इस भाग में भिन्न पृष्ठ संख्या दी जाती है, जिससे कि यह अलग संकलन के रूप में रखा जा सके ।

(Separate paging is given to this Part in order that it may be filed as a separate compilation)

भाग III—खण्ड 2

[PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस

(Notifications and Notices issued by the Patent Office relating to Patents and Designs)

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Calcutta, the 5th May 1984

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CORRIGENDUM

In the Gazette of India, Part III, Section-2, dated 25-2-1984 under the heading "Applications for Patents filed in the Patent Office Branch at Todi Estate, 3rd Floor, Lower Parel, Bombay-400 013" on page No. 103, column 2.

In respect of name of the applicant in connection with application No. 10/BOM/84 for "Sushil Rajgopal Ved" read "Sushil Ramgopal Ved".

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE, 214, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-700 012

The dates shown in crescent brackets are the dates claimed under Section 135, of the Act.

29th March, 1984

206/Cal/84. Centro Sperimentale Metallurgico S. P. A. A process for preparation of stable coal-water mixtures.

207/Cal/74. Shree Subrata Kr. Ghosh. The duck like vehicle or craft.

208/Cal/84. Combustion Engineering, Inc. Submerged Scraper conveyor load-speed integration monitor and control.

209/Cal/84. Orion-yhtyma Oy. Method for the preparation of 1, 8-dihydroxy-10-acyl-9-anthrones, especially for use in the treatment of psoriasis.

30th March, 1984

210/Cal/84. Wyler AG., Wasserwaagen und Messwerkzeuge. Air bearing body.

211/Cal/84. American cyanamid Company. A method for oxidizing groups to carboxylic acids under basic condtions.

212/Cal/84. The University of Queensland. Conversion of sucrose to fructose and ethanol.

213/Cal/84. Voest-Alpine Aktiengesellschaft. Process for cutting rock as well as apparatus for performing this process.

214/Cal/84. Voest-Alpine Aktiengesellschaft. Process for spraying the bits and/or the facing with pressurized liquid as well as apparatus for performing this process.

31st March, 1984

215/Cal/84. Energy Conversion Devices, Inc. Improved substrateless thermo-electric device and method of making same.

216/Cal/84. Climax Synthetics Pvt. Ltd. Emulsion of Amorphous polypropylene or PP attactic in water.

2nd April, 1984

217/Cal/84. Goldsworthy Engineering, Inc. Reinforces plastic composite articles and apparatus and method for producing same.

218/Cal/84. Shalimar Tar Products (1935) Limited. A method of manufacturing high build bituminous emulsion.

219/Cal/84. Beloit Corporation. Fractionating/Scalping Screen.

3rd April, 1984

220/Cal/84. Omera S. P. A. Hydraulically Operated Universal-Type Punching-cum-shearing Machine.

APPLICATION FOR PATENTS FILED IN THE PATENT OFFICE BOMBAY AT TODI ESTATES, IIIRD FLOOR, LOWER PAREL (W), BOMBAY-13

1st March, 1984

50/Bom/84. Madhusudan Hiralal Desai. Weighbridge with load Cells.

2nd March, 1984

51/Bom/84. Shivaprasad H. Thaker. Stim-U-Cap.

5th March, 1984

52/Bom/84. Shodhak Dattatray Karmalkar. Hot Air Cooling (H.A.C.) Bricks.

53/Bom/84. Girdhari Balram Radhakrishnani. Portable grip type precision hand tester for measuring hardness of metals.

54/Bom/84. Pynadath Thomas Joy. Segmented Ball Butterfly valve.

55/Bom/84. Manubhai Gordhandas. Proces for manufacturing Composition for Retaining the sharpeneded quality of razor blades.

6th March 1984

56/Bom/84. Shivprasad H. Thaker. Kar-Giar Lok.

7th March 1984

57/Bom/84. Gopal Shivaprasad Thaker. Kar-lok

58/Bom/84. Hindustan Lever Ltd. (UK/11-3-83 & 23-3-83). Processing of Polysaccharides.

9th March 1984

59/Bom/84. Hindustan Lever Ltd. Processing Foodstuffs.

12th March, 1984

60/Bom/84. Rashmi S. Patel. A container having pilferproof closure.

61/Bom/84. Eagle Flask Pvt. Ltd. Improved food container.

13th March 1984

62/Bom/84. Dipak Chandiramani. An improved method for the reduction of hydrogen pickup in weldments during shielded metal are welding or gas shielded metal arc welding and weldments obtained thereby.

63/Bom/84. Hindustan Lever Ltd. Reduction of Organic Compounds.

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, 61, WALLAJAH ROAD, MADRAS-600 002

12th March, 1984

150/Mas/84. E. G. K. Rao. Improvements relating to solar energy devices.

151/Mas/84. Dr. T. Jishnu. Controllable chilling process for sand moulds or thin welled moulds like sheel or investment moulds.

152/Mas/84. Dr. T. Jishnu. Rinser with air sack.

153/Mas/84. M. A. N. Mascheinenfabrik Augsburg-Kurnberg Aktiengesellschaft. En-masse Conveyor for Vertical or Steep Delivery of Bulk Material.

154/Mas/84. The Dow Chemical Company. A process for preparing advanced epoxy resins employing tetrahydrocarbyl phosphonium salts as catalysts and advanced epoxy resins prepared by this process.

155/Mas/84. Arbed S.A. Method and apparatus for the acceleration or solid particles entrained in a carrier gas.

156/Mas/84. Dynamit Nobel Aktiengesellschaft. Sealed-in packaged long-term baked products, dough products or the like, process for the production thereof and use of acetoglyceride materials for production of the sealing-in.

157/Mas/84. Rosemount Inc. Two wire current transmitter with improved voltage regulator. (Divisional to Application No. 562/Cal/79.)

158/Mas/84. Lucas Industries Public Limited Company. Motor operated mechanism. (March 11, 1983).

13th March 1984

159/Mas/84. Metal Box p.l.o. Method and apparatus for forming tubular closed-ended articles of thermoformable polymer material. (March 14, 1983).

160/Mas/84. Flakt Aktiebolao. Guide vane ring for a return flow passage in axial fans and a method of producing it.

161/Mas/84. Hoechst Aktiengesellschaft Apparatus for making red phosphorous.

162/Mas/84. Stamicarbon B.V. Process for the preparation of copolymers of ethylene with at least one other I-Alkene. (Divisional to Application No. 826/Cal/81).

163/Mas/84. Mitsubishi Denki Kabushiki Kaisha. Elevator driving apparatus.

164/Mas/84. Korea Ginseng & Tobacco Research Institute. Process for expanding tobacco leaves and apparatus therefor.

14th March, 1984

165/Mas/84. A. I. Welders Limited. A method and apparatus for aligning two work pieces. (March 14, 1983).

166/Mas/84. Dana Corporation. Friction Clutch Element.

15th March, 1984

167/Mas/84. Diversified Products Corporation. Barbell exerciser with rest brackets.

168/Mas/84. SO "PERUN" Method for producing fine jute and jute-type yarns.

169/Mas/84. Palitex Project-Company GmbH. A thread pull-off aid of variable geometrical configuration for the overhead drawing-off of a thread from a creel bobbin.

170/Mas/84. Shell Internationale Research Maatschappli B.V. A wax-containing crude oil or fuel oil comprising a pour point depressant. (March 18, 1983).

16th March, 1984

171/Mas/84. Nalson Engineering Co. Window Shutter Assembly 17th March, 1984.

172/Mas/84. Jose Goelho Dos Santos. Method of construction of buildings. (Division to Application No. 1015/Cal/80).

173/Mas/84. Jose Goelbo Dos Sentos. Fit-in block for construction of buildings. (Divisional to Application No. 1015/Cal/80).

174/Mas/84. International Standard Electric Corporation. Associative Array.

175/Mas/84. The British Petroleum Company p.l.c. Improved catalysts and their use in ammonia production.

176/Mas/84. Western Electric Company. Dial pulsing circuit. (March 18, 1983).

177/Mas/74. Modine Manufacturing Company. Heat exchanger.

19th March, 1984

178/Mas/84. Elton Chemical S. p.A. An intermittent metering device for liquid detergents and/or additives to be introduced into program card industrial washing machines of the centrifugal types.

179/Mas/84. Mitsui & Co. Ltd. A pipe for highly abrasive flowing material and a way of making the pipe.

20th March, 1984

180/Mas/84. M. A. W. Kamarudin. An improved container for flushing cistern.

181/Mas/84. Hackforth GmbH & Co. Extra-resilent shaft coupling.

182/Mas/84. Deutsche Babcick Werke Aktiengesellschaft. Method and apparatus for the ignition of fuels.

183/Mas/84. Hydroperfect International HPI. Apparatus for an hydrostatic compensation of hydraulic pumps and motors of gear type.

21st March, 1984

184/Mas/84. Electronics Corporation of India. A cockpit voice recorder.

185/Mas/84. Servo Corporation of America. Vibration and space isolation clamp for railroad equipment.

186/Mas/84. Chuo Kagaku Co. Ltd. Production of resin foam by aqueous medium.

187/Mas/84. Prayon Development, Societe Anonyme. Method for preparing phosphoric acid and calcium sulfate.

22nd March, 1984

188/Mas/84. Metal Box P.l.c. Containers. (March 23, 1983).

189/Mas/84. Geophysical Company of Norway A. S. Date transmission system for seismic streamers.

190/Mas/84. ITT Industries, Inc. Redispersible Microfibrillated Cellulose.

23rd March, 1984

191/Mas/84. Hoechst Aktiengesellschaft. Process and apparatus for making phosphorus pentoxide with tuilization of reaction heat.

192/Mas/84. The Dow Chemical Company. Catalytic process for producing mixed alcohols from hydrogen and carbon monoxide.

24th March, 1984

193/Mas/84. S. Nithyanandam. Tip-up and Push Pack Cushioned Chair.

194/Mas/84. Dobson Park Industries Plc. Valve Assemblies (March 26, 1983).

195/Mas/84. Kerala Electrical & Allied Engineering Co. Ltd. Brushless Alternator.

196/Mas/84. Ranks Hovis McDougall PLC. Improvements in the production of edible portion containing substrates. March 24, 1983).

ALTERATION OF DATE

152936. Ante dated to 3rd April, 1979.
(1307/Cal/81).

152937. Ante dated to 3rd April, 1979.
(1308/Cal/81).

COMPLETE SPECIFICATION ACCEPTED

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CLASS : 65 B_3 69 I; 152916.

Int. Cl. : H 01 f 37/00; H 02 b 7/00.

ELECTRODE ARRANGEMENT FOR A CAPACITIVE VOLTAGE TRANSFORMER.

Applicants : SIEMENS AKTIENGESELLSCHAFT, OF BERLIN AND MUNICH, WEST GERMANY.

Inventors : 1. MANFRED OSTERLOH. 2. OTTO PUTZ. 3. WALTER STECKER.

Application No. 945/Cal/80 filed August 19, 1980.

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims.

An electrode arrangement for a capacitive voltage transformer, the arrangement comprising :

a tubular metal casing;

a tubular electrode co-axially fitted within the casing.

an at least partially tubular electrical insulator between the electrode and the casing;

an electrically insulating bush which passes through the wall of said casing; and

a metal member which passes through said insulating bush and serves to secure the electrode to the casing such that both the electrode and said member are electrically insulated therefrom wherein the said insulating bush in sealed in a gas tight manner with the casing by a sealing ring.

(Compl. Specn. 8 pages. Drgs., 1 sheet.)

CLASS : 55 E_2; 83 A_3; 60 X_2 d 152917.

Int. Cl. : A 61 k 17/18, B 03 b 7/00.

PROCESS AND EQUIPMENT FOR THE EXTRACTION OF SOLID MATERIAL FROM LIQUID CONTAINING SOLIDS GRANULATED BY HEAT EFFECT AND OR SOLIDS THE MOISTURE CONTENT OF WHICH IS REDUCIBLE BY HEAT EFFECT, E.G. FROM COLLOIDAL SOLUTIONS WITH PROTEIN CONTENT AND FAT CONTENT, SLURRIES AND SUSPENSIONS, AS WELL AS FOR REDUCING THE FAT CONTENT OF THE SOLID MATERIAL.

Applicants : RICHTER GEDEON VEGYESZETI GYAR RT., OF 19, GYOMROI UT, BUDAPEST X., HUNGARY.

Inventors : 1. DR. ISTVAN TAKACS 2. PETER RUDOLF, 3. JANOS ILLES 4. BELA SZABO 5. ENDRE VERECZKEY 6. ZOTAN BANOS 7. GYULA BOSITS 8. DR. LASZLO CZEBE.

Application No. 953/Cal/80 filed August 21, 1980.

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

21 Claims.

Process for the extraction of solid material from liquids containing solids granulated by heat effect and/or solids the mixture content of which is reducible by heat effect, in particular from colloidal solutions with protein content, from suspensions and slurries, as well as—in case of fat content—for reducing the fat content of the solid material, in the course of the process grains are formed in the liquid with heat effect and/or the moisture content of the grains is reduced, then removed from the liquid and dried, characterized by heating the liquid with heat transfer ("instant heating") to 50-125°C temperature for maximum 2 minutes, then the heated material is kept at 50-125°C temperature for minimum 2, preferably for 5-15 minutes; and should the solid material contain fat, at least a certain part of the fat is melted from the solid material by heat treatment processes; then the grains are separated from the liquid phase—in given case containing melted fat as well—in a space of 50-125°C temperature containig vapour, by using filtering process for minimum 4, preferably for 8-15 minutes; and the wet solids separted from the liquid phase are dried.

(Compl. Specn. 34 pages. Drgs. 2 sheets).

CLASS : 32 F_3 b. 152918.

Int Cl. : C 07 c 83/00.

PROCESS FOR PREPARING AROMATIC CARBOXYLIC ACIDS.

Applicants : STAMICARBON B. V. OF P.O. BOX 10, GELEEN, THE NETHERLANDS.

Inventors : 1. CORNELIS JONGSMA 2. WILHELMUS THEODORUS AGNES MARIE LAUGS.

Application No. 976/Cal/80 filed August, 26, 1980.

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

Process for preparing aromatic carboxylic acids by oxidation of an alkyl-aromatic hydrocarbon in the liquid phase in the absence of an aliphatic carboxylic acid, by means of a gas containing molecular oxygen and in the presence of a catalyst consisting of a cobalt compound that is soluble in the reaction mixture, this process being characterized in that in addition to the cobalt compound a catalyst is used that consists of a zirconium and /or hafnium compound soluble in the reaction mixture, the atomic ratio of zirconium and/or hafnium to cobalt being lower than 1 : 5.

(Compl. specn. 6 pages. Drgs. Nil).

CLASS : 71 D & E. 152919.

Int. Cl. : E02 f 3/24.

MOVABLE BUCKET-WHEEL EXCAVATOR.

Applicants : VOEST-ALPINE AKTIENGESELLSCHAFT, OF A 1011 VIENNA, FRIEDRICHSTRASSE 4, AUSTRIA.

Inventors : 1. KIAUS WIMMER 2. WOLFGANG LUBRICH.

Application No. 1287/Cal/80 filed November 11, 1980.

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims.

Moveable bucket-wheel excavator having a lower chasis and a super-structure comprising a discharge arm provided with a discharge conveyor belt, a support for a dredge turntable to which a dredge arm carrying the bucker-wheel is pivotally linked for being swivelled in height direction and to which a counterweight arm carrying a counterweight is rigidly connected, and adjusting means being provided for adjusting the support (26) for the dredge turntable (19) in height relative to the lower chassis (1).

(Compl. Specn. 11 Pages. Drgs. 1 sheet.)

CLASS : $32F_3$ b; $55E_1$; $60x_2$ d. 152920.

Int. Cl. C07 c 61/00.

PROCESS FOR PREPARING- 13 -OXA- PHOSTAGLANDIN DERIVATIVES.

Applicants : SANOFI, OF 40 AVENUE GEORGE V, 75008 PARIS, FRANCE.

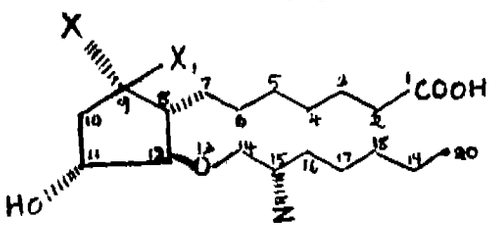
Inventors : 1. STEPHAN GERO 2. JEANINE CLEOPHAX 3. JEAN CLAUDE BARRIERE AND 4. ANDRE CLER.

Application No. 560/Cal/81 filed May 26, 1981.

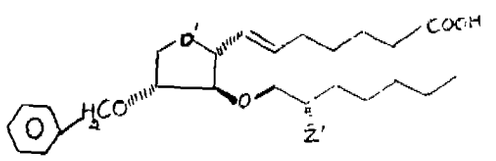
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

Process for preparing 13-oxa-prostaglandin derivatives of general formula I of the accompanying



drawings and pharmaceutically acceptable alkali metal salts thereof in which X represents hydrogen or hydoxy, X_1 represents hydrogen or X and X_1, when they are taken together with the carbon atom to which they are attached, represents a carbonyl group and Z represents hydrogen or hydroxy comprising subjecting a compound of general formula XXXV.



in which D' represents $>CH_2$ or $>CH_2$||||||OCH_2—C_6H_5 and Z' represents hydrogen or benzyloxy. to hydrogenolysis on platinum charcoal or palladium-charcoal at room temperature and in a solvent medium.

Compl. Specn. 37 pages. Drgs. 5 Sheets.

CLASS : $14D_2$. 152921.

Int. Cl. H01m 11/00.

ELECTROCHEMICAL CELL CONTAINING SULPHER DIOXIDE AS CATHODE DEPOLARIZER.

Applicants : DNEPROPETROVSKY KHIMIKO- TEKHNOLOGICHESKY INSTITUT IMENT F.E. DZERZHINSKOGO, OF DNEPROPETROVSK, PROSPEKT GAGARINA, 8, U.S.S.R.

Inventors : 1. OKTAVLAN STANISLAVOVICH KSENZHEK, 2. ELENA MOISEEVNA SHEMBEL, 3. VALENTINA IVANOVNA LITVINOVA, 4. TAMARA LEONTIEVNA MARTYNENKO, 5. LEONID BORISOVICH RAIKHELSON, 6. LEONID ANDREEVICH SOKOLOV AND 7. VALENTIN ZAKHAROVICH MOSKOVSKY.

Application No. 1034/Cal/81 filed September 16, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

An electrochemical cell comprising an anode of a metal capable of reducing sulphur dioxide, a cathode of a porous material inert to sulphur dioxide but in which sulphur dioxide can be reduced and having electron-type conductivity and initially polarized to a positive potential of 4.5 to 4.7 volts relative to the anode and a non-aqueous electrolyte containing sulphur dioxide as a cathodic depolarizer, at least one approtic organic solvent with a donor number of from 20 to 50, and an electrolyte salt inert to sulphur dioxide and said anode metal.

Compl. Specn. 24 pages. Drgs. 1 Sheet.

CLASS : $157D_5$. 152922.

Int. Cl. E01 b 27/00.

RAILWAY BALLAST TAMPING MACHINE WITH FULL A-SYNCHRONOUS PACKING-DEVICE.

Applicants : FRANZ PLASSER BAHNBAUMASCHINEN-INDUSTRIEGESELLSCHAF M. B. H., JOHANNESGASES 3, VIENNA 1, AUSTRIA.

Inventor : JOSEF THEURER.

Application No. 24/Cal/82 filed January 5, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

A machine for tamping railway ballast below the sleepers with full asychronous packing device comprising at least one tamping unit which is mounted for vertical adjustment through a device on the machine chassis and which comprises tamping tools arranged in pairs on a common tamping tool support and designed for penetration into the ballast bed at the sleeper/rail intersection, being adjustable indepenently of and fully asynchronously relative to one anothed through hydraulic cylinder and piston infeed drives and being designed for vibration by separate drives provided for each pair of tamping tools adjustable relative to one another, characterised in that the two tamping tools (12, 13; 14, 15) of each pair of tamping tools (19; 20), which are adjustable fully asynchronously relative to one another and designed for penetration into the ballast bed on one side of the rail, are connected to only one common hydraulic cylinder-and-piston infeed drive (23), and in that each of these pairs (19; 20) of tamping tools comprises an elastic centring mechanism (25) supportable by the tamping tool support (7) for substantially mirror-symmetrical alignment in relation to the longitudinal centre of the tamping unit.

Compl Specn. 24 pages. Drgs. 2 Sheets.

CLASS ; 180. 152923.

Int. Cl. F24 c 3/00.

PORTABLE GAS COOKER WHOSE ELEMENTS ARE ALL DISMOUNTABLE.

Applicants : APPLICATION DES GAZ, OF 173, RUE DE BERCY, 75012 PARIS, FRANCE.

Inventors : 1. MARCEL VACHE, 2. DANIEL DUCORS.

Application No. 185/Cal/82 filed February 17, 1982.

Convention date 21st April, 1981 (81.12282) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

Portable gas cooker of the kind comprising a collar 4 centred on the top 1a of a gas tank 1, a wind-guard basin-shaped screen 7 which is crossed by a burner 2 while the bearers 8 for pans are placed within the basin 7, the supports 6 being pivotable with respect to said collar 4, a portion of which supports co-operates with the wall of the tank 1, its end bearing in a dismountable manner the basin 7 and bearers 8 made in form of radiating arms.

Compl. Specn. 6 pages. Drgs. 2 Sheets.

CLASS : 198D. 152924.

Int. Cl. B03b 1/00.

"PROCESS FOR MANUFACTURING PRODUCT COAL FROM RAW COAL".

Applicant : OTISCA INDUSTRIES, LTD., A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF NEW YORK, UNITED STATES OF AMERICA, OF 186 LAFAYETTE, NEW YORK 13084, UNITED STATES OF AMERICA.

Inventors : DOUGLAS VERN KELLER JR. & ANDREW RATNIS.

Application for patent No. 540/Del/79 filed on 26th July, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

7 Claims.

A process for manufacturing product coal as herein described from raw coal as herein described which comprises the steps of :

forming an aqueous slurry containing the raw coal and an agglomerating agent; comminuting said raw coal until it has been resolved into particles of mineral matter and particles of coal, both having a maximum top size of 50 microns, and the coal particles have coalesced into agglomerates of product coal; and recovering the agglomerates from the slurry, said proecss being characterized in that the agglomerating agent is a flurochlorocarbon.

Compl. Specn. 20 pages. Drg. 1 Sheet.

CLASS : 101F. 152925.

Int. Cl. E02b 9/08, F 03b 7/00.

"APPARATUS FOR EXTRACTING ENERGY FROM THE MOTION OF WATER BENEATH WAVES IN A LARGE BODY OF WATER SUCH AS AN OCEAN OR A LAKE".

Applicant : Q CORPORATION, A CORPORATION ORGANISED UNDER THE LAW OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, AND HAVING A PLACE OF BUSINESS AT 755 WEST BIG BEAVER ROAD, TROY, MICHIGAN 48084, UNITED STATES OF AMERICA.

Inventor : E. QUIMBY SMITH, JR.

Application for patent No. 574/DEL/79 filed on 9th August, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

32 Claims.

Apparatus for extracting energy from the motion of water beneath waves in a large body of water such as an ocean or a lake comprising a power member capable of being moved by the water means for supporting said member in said body of water with at least a substantial portion thereof beneath the surface of the waves in a manner such that said member can be moved back and forth by the movement of the water beneath the waves, and means operatively connecting said member to a power device, such as an electric generator or pump, to transfer the energy extracted by said member to said power device.

Compl. Specn. 46 pages. Drgs. 5 Sheets.

Ind. Cl. 178. 152926.

Int. Cl. B 28d 1/24.

A PROCESS AND AN APPARATUS FOR DRESSING ROUGH MINED BLOCKS OF MARBLE GRANITE AND THE LIKE MATERIAL.

Applicant : SHAH GANITE PRIVATE LIMITED A COMPANY INCORPORATED UNDER THE PROVISIONS OF INDIAN COMPANIES ACT OF KARAMCHAND MANSION BARRACK ROAD BEHIND METRO CINEMA BOMBAY 400 020, MAHARASHTRA INDIA.

Inventor : SWAPAN MANILAL SHAH.

Application No. 247/Bom/80 filed on August 20, 1980.

Comp. after provisional left on Oct 24, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Bombay Branch.

4 Claims.

1. A process of dressing uneven lumps of marble, granite or like hard material using a pair of synchronously moving circulate saws for cutting of predetermined strips of uneven material from the side of the said lump, the said says moving from one edge to another edge of the said lump in orthogonal planes, each of the said saws moving into the lump at the end of every stroke through a predetermined depth to cut off the strips of uneven material.

Prov. specn. 5 pages. Drgs. Nil.

Comp. specn. 9 pages. Drgs. 6 Sheets.

CLASS : 27 I. 152927.

Int. Cl. E04b-7/00.

STEP LADDER UNIT FORMING CATWALK ON CORRUGATED ROOFS.

Applicant & Inventor : JAIPARKASH ANANT SATHE-1187/25, GHOLE ROAD, PUNE-411 004, MAHARASHTRA, INDIA.

Application No. 311/BOM/1980 filed October 10, 1980.

Complete after Provisional left on January 8, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Bombay Branch.

3 Claims.

A step ladder unit forming catwalk for corrugated roofs comprising a plurality of frames to form an assembly having the shape of a right angled triangle formed from square or tubular pipe sections, the arm forming an acute angle in each of the said assembly having welded to it a pair of saddles forming a support member for the said frame, each of the said saddles carrying means for securing it by J-bolt to the corrugated sheet of the roof, the bottom surface of each of said saddle having adhesively struck to it a non-slip pad to firmly rest on the hump of the corrugated sheet, the railing of the ladder being transversely welded to each of the said triangular frames on the longer one of the two arms forming the said right angle, the shorter arm being of each of the said alternate assembly being extended upward by welding thereto a channel section carrying a number of spaced holes along the length of the channel section, tubular pipes passing through the said holes to form a balustrade-cumguard for the walkway formed by the steps of the said step ladder.

Compl. Specn. 7 pages. Drgs. Nil.

Proc. Specn. 6 pages. Drgs. 2 Sheets.

CLASS : 116 G. 152928.

Int. Cl. B65g-7/00+B66b-17/00.

A WORM AND NUT TYPE PNEUMATIC HOIST SUSPENDER FOR OPERATING A LOAD.

Applicants : TATA ENGINEERING AND LOCOMOTIVE COMPANY LIMITED OF BOMBAY HOUSE, 24, HOMI MODY STREET, FORT, BOMBAY-400 023, MAHARASHTRA, INDIA, AN INDIAN COMPANY.

Inventor : PRAKASH KESHAO KARANDE.

Application No. 53/BOM/1981 filed February 20, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Bombay Branch.

5 Claims.

A worm and nut type pneumatic hoist suspender for operating a load, said hoist suspender comprising at least one worm and nut assembly, said assembly having its nut rigidly mounted in a housing and provided with recirculating balls; a single acting pneumatic cylinder the piston whereof is rotatably connected to one end of the worm of said assembly; a drum having a spiral groove thereon and being rigidly mounted on the other end of the worm of said assembly; a wire rope wound on said drum; a pulley supported by said wire rope; a wire rope retainer detachably provided on said drum; a pulley supported by said wire rope; a wire rope retainer detachably provided on said drum; a direction control valve rigidly connected to said pulley; a hook detachably connected to said direction control valve; an air pressure responsive self setting filter regulator consisting of a casing partitioned into an upper part and a lower part, the said lower part having an inlet provided with a disc having a plurality of tangential openings and an outlet and containing a valve loaded by a spring and being supported in a valve body, a dust filter surrounding the valve body, a water filter assembly provided at the lower end of the valve body and a water drainer provided below the water filter assembly and the said upper part having an inlet and containing a spring loaded piston and a spring loaded vertically adjustable set screw mechanism cooperatively secured through the piston for operating the valve and the said lower part and the said upper part being communicated with each other through a hole provided at the outlet side of the lower part; an air supply line one end whereof is connected to the inlet of said direction control valve and the other end whereof is connected to the outlet of the lower part of the casing of said filter regulator; a second air supply line one end whereof is connected to the outlet of said direction control valve and the other end whereof is connected to the piston side of said cylinder; a bypass line one end whereof is connected to said second air supply line and the other end whereof is connected to the inlet of the upper part of the casing of said filter regulator; and a support for mounting said cylinder housing and filter regulator.

Compl. Specn. 12 pages. Drgs. 8 Sheets.

Ind. CLASS : 48B+151C. 152929.

Int. Class : F16 l, 11/00.

Title : ENERGY TRANSMISSION CONDUIT.

Applicant : KABELSCHLEPP GmbH, MARIENBORNER STR. 75, D-5900 SIEGEN 1, GERMANY (WEST).

Inventor : MORITZ WERNER.

Application No. 133/BOM/1981 filed May 11, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Bombay Branch.

12 Claims.

1. An energy transmission conduit for installation between a moving receiver and a fixed terminal, consisting of narrow pipe sections with bosses arranged outwards and wide pipe sections with bosses arranged inwards, which inter-lock into each other and can be bent reciprocally in one direction, and whereby a groove is formed by the bosses of the narrow pipe sections, the width of the groove corresponding to the radius of curvature, characterised in that the groove of the narrow pipe sections A vary in width on two opposing side walls and is conical on both the other side walls and the pipe section halves 6a & 6b of the wide pipe Sections B are identically constructed and swivelled at 180° from each other and are placed on the narrow pipe Sections A and joined together.

Compl Specn. 15 pages. Drgs. 4 Sheets.

Ind. CLASS : 48B+151C. 152930.

Int. Class : F16 l -11/00.

Title : ENERGY TRANSMISSION CONDUIT.

Applicant : KABELSCHLEPP GmbH, A COMPANY ORGANISED UNDER GERMAN LAW AT MARIENBORNER, STE 75, D-5900, SIEGEN-I, GERMANY (WEST).

Inventor : MORITZ WERNER.

Application No. 134/BOM/1981 filed on May, 11, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Bombay Branch.

8 Claims.

1. A energy transmission conduit for installation between a moving receiver and a fixed terminal consisting of narrow pipe sections with bosses arranged outwards and wide pipe sections with bosses arranged inwards, which interlock into each other and can only be bent relatively in one direction, whereby the narrow pipe sections have a surrounding check ring in their median plane, on both sides of which grooves are provided, for engaging the bosses on the wide pipe sections, and whereby the wide pipe sections in the region of a cross section half are shortened bilaterally about the breadth of a groove and are composed of two insertable pipe section halves which can be joined to the narrow pipe section, characterized in that the central check ring of the narrow pipe section, in the region of the broad pipe section halves has parallel flanks and in the region of the narrow pipe section halves has on both sides flanks which conically diverge as they approach the neutral axis, and that the bosses of the narrow pipe sections in the region of the broad pipe section halves have flanks which from both sides conically converge on the central check ring as they approach the neutral axis and in the region of the narrow pipe section halves have flanks which run parallel to each other.

Compl. Specn. 14 pages. Drgs. 4 Sheets.

CLASS : $157D_8$. 152931.

Int. Cl. E01 b 31/00.

TRAVELLING MACHINE FOR CONTINUOUS SMOOTHING OUT THE RAIL WITH THE ADVANCE OF THE MACHINE.

Applicants : FRANZ PLASSER BAHNBAUMASCHINEN-INDUSTRIEGESELLSCHAFT M. B. H., JOHANNESGASSE 3, VIENNA 1, AUSTRIA.

Inventor : ING. JOSEF THEURER.

Application No. 504/Cal/80 filed May 2, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

20 Claims.

A travelling machine for continuous smoothing out the rail with the advance of the machine, particularly planning down, irregularities, such as ridges, laps, in the rail head surface of at least one rail of a laid track, comprising at least one tool carriage which is pivotally connected to the machine frame and which is mounted for vertical adjustment and for application to the rail head surface by means of drives, being vertically and laterally guided on the rail head and comprising a tool support with a tool holder, more particularly for a planning tool, characterised in that the tool is arranged on its own tool support which is mounted for displacerent particularly on guide columns, relative to the tool carriage-guided without play along the upper surface and inner and outer shoulders of the rail head by means of guide rollers-both in the plane of the track and also in the vertical longitudinal plane of the rail or in planes parallel thereto substantially perpendicularly of the longitudinal axis of the rail, more particularly by means of hudraulic cylinder-and-piston driyes.

Compl. Specn. 27 pages. Drgs. 3 Sheets.

CLASS : 40F. 152932.

Int. Cl. C22 b 23/04.

ISOLATION AND RE-USE OF COBALT COMPOUNDS AND MANGANESE COMPOUNDS FROM THE WITTEN DMT PROCESS.

Applicants : DYNAMIT NOBEL AKTIENGESELLSCHAFT, OF TROISDORF, BENZ, KOLYN, WEST GERMANY.

Inventors : 1. DR. KARL-HEINZ DIESSEL, 2. DR. RUDOLF MODIC, 3. FRIEDRICH STRUSS.

Application No. 840/Cal/80 filed July 23, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims.

Improved process for the isolation and re-use of cobalt compounds and manganese compounds from the Witten DMT process by hot extraction, with water or dilute aqueous solutions of low molecular weight aliphatic monocarboxylic acids or alcohols, of high-boiling distillation residues which have a cobalt content of 1 to 10 g/kg and can have a manganese content of 0.1 to 5 g/kg of residue and are obtained when mixtures containing p-xylene and/or p-toluic acid methyl ester are oxidised in the liquid phase with oxygen or an oxygen-containing gas under elevated pressure and at elevated temperature in the presence of a dissolved heavy metal oxidation catalyst; the oxidation product is subsequently esterified with methanol under elevated pressure and at elevated temperature and the esterification product is separated by distillation into a fraction rich in p-toluic acid methyl ester, the fraction rich in dimethyl terephthalate and a high-boiling distillation residue, characterised in that

(a) the aqueous cobalt-containing and/or manganese containing acid extract, containing carboxylic acid, which is obtained from the distillation residue and has a cobalt content of 0.5 to 20 g/l and a manganese content of 0.05 to 10 g/l is treated with a strongly acid cation exchange resin in the alkali metal form, for example Na+ form or K+ form, at elevated temperature until the capacity of the exchanger is reached and

(b) the cation exchange resin is then washed at elevated temperature and regenerated at room temperature with solutions containing Na+ acetate or K+ acetate, the catalyst constituents being displaced and an aqueous acetic acid solution containing the catalyst constituents being obtained.

Compl. Specn. 16 pages. Drgs. Nil.

CLASS : 44. 152933.

Int. Cl. G04 c 21/00.

LIQUID CRYSTAL DISPLAY DEVICE.

Applicants : HITACHI LTD., OF 5-1, MARUNOUCHI 1-CHOME, CHIYODA-KU, TOKYO, JAPAN.

Inventors : 1. MASASHI TANAKA, 2. TAKAHIKO IHOCHI, 3. YUTAKA NAKAJIMA, 4. YOSHIMICHI SHIBUYA.

Application No. 1175/Cal/80 filed October 15, 1980.

Appropriate office for opposition proceeding (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

A liquid crystal display device comprising :
a plurality of liquid crystal layers each for displaying a pattern, said liquid crystal layers being arranged as stacked pile; a pair of polarizers arranged one above the uppermost liquid crystal layer and the other below the lowermost liquid crystal layer; electrode patterns provided for said liquid crystal layers and having predetermined shapes respectively; and at least one additional polarizer arranged between liquid crystal layers in the stack in such a manner that a transmission axis of the or each said additional polarizer is perpendicular to a transmission axis of each of the two polarizers adjacent to said additional polarizer, so that said electrode patterns on different liquid crystal layers may be viewed in a darkened state at the same time without light areas being viewed where said electrode patterns overlap.

Compl. Specn. 23 pages. Drgs. 4 Sheets.

CLASS : $68E_1$. 152934.

Int. Cl. G05 f 1/00.

SURGE ARRESTER.

Applicants : SIEMENS AKTIENGESELLSCHAFT, OF BERLIN AND MUNICH, WEST GERMANY.

Inventors : 1. MICHAEL CRUCIUS, 2. MOHAMED AZIZ HASSAN.

Application No. 257/Cal/81 filed March 10, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

16 Claims.

A surge arrester comprising a plurality of shielding elements each having an opening therethrough, the shielding elements being substantially superposed so that the openings are substantially aligned a plurality of electrically interconnected arrester elements disposed in the substantially aligned openings, means associated with each of at least two adjacent shielding elements for fastening at least one arrester element to each of the two shielding elements and a plurality of support members disposed between adjacent shielding elements at the periphery of the openings in the shielding elements for supporting the shielding elements, the shielding elements providing support for the arrester elements fastened thereto.

Compl. Specn. 11 pages, Drgs. 2 Sheets,

CLASS : $32F_1$, $55D_2$. 152935.

Int. Cl. C07 d 49/10.

METHOD OF PREPARING 1- (3, 5- DICHLOROBENZOYL)-3-PHENYLPYRAZOLINES.

Applicants : STAUFFER CHEMICAL COMPANY, OF WESTPORT, CONNECTICUT 06881, UNITED STATES OF AMERICA.

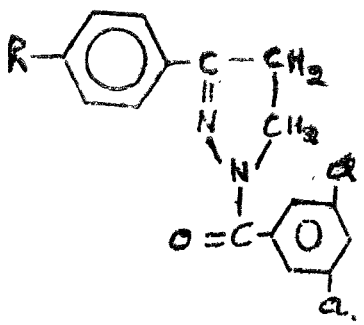
Inventor : EDMUND JEREMIAH GAUGHAN.

Application No. 259/Cal/81 filed March 10, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

1 Claim.

A method of preparing 1-(3, 5- dichlorobenzoyl)-3-phenylpyrazolines, having the structural formular shown in Fig. 1 of



the accompanying drawings, where R is hydrogen, alkyl having 1 to 4 carbon atoms, preferably methyl, alkoxy having 1 to 4 carbon atoms, preferably methoxy or halo, preferably chloro, comprising the steps of :

(a) adding a mole amount of 3, 5-dichlorobenzoylchloride in methylene chloride to a solution of a mole amount of 3-(4-methylphenyl)-pyrazoline and a mole amount of triethylamine at a temperature of -10°C to -5°C,

(b) stirring the mixture obtained at (a) above at room temperature for 2 hours and for 1/2 hour at 40°C,

(c) cooling the said mixture and washing it three times with water, twice with a dilute $NaHoo_3$ solution and once with a saturated NaCl brine solution, followed by drying, and

(d) removing the solvent by vacuum to obtain the desired 1-(3, 5-dichlorobenzoyl)-3-phenylpyraxolone.

Compl. Specn. 13 Pages. Drgs. 2 Sheets.

CLASS : $32F_3$ b. 152936.

Int. Cl. C07 c 65/20, 49/68, 143/38.

PROCESS FOR THE PREPARATION OF A SALT OF 2- CARBO-OXYANTHRAQUINONEMONO-SULFONIC ACID.

Applicants : MITSUI TOATSU CHEMICALS, INCORPORATED, OF NO. 2-5, KASUMIGASEKI 3-CHOME, CHIYODAKU, TOKYO, JAPAN.

Inventors : 1. KATSUYA SAKAI, 2. RYUICHI MITA, 3. TOSHIO KATO, 4 CHOJIRO HIGUCHI, 5. HISAMICHI MURAKAMI.

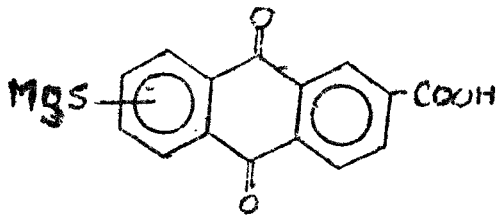
Application No. 1307/Cal/81 filed November 23, 1981.

Division of Application No. 333/Cal/79 dated 3rd April, 1979.

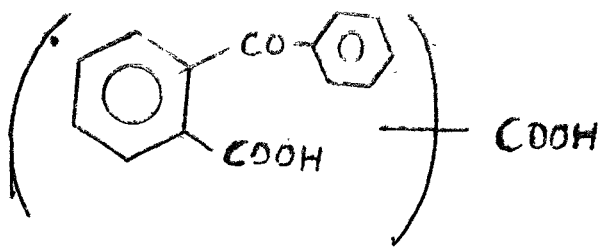
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

A process for the preparation of a salt 2-carboxy-anthraquinonemonosulfonic acid of the general formula 1 of the accompanying



drawings wherein M is sodium, potassium or an ammonium group, characterized in that benzophenone-2, x-dicarboxylic acid of formula II'



wherein x denotes 4, 5 or 4' position is subjected to dehydration by a method such as herein described and the resulting 2-carboxyanthraquinone is subsequently sulfonated by heating with a sulfonating agent such as herein described without isolation by a method such as herein described to obtain salt of said 2-carboxyanthraquinonemono-sulfonic acid.

Compl. Specn. 40 pages. Drgs. 8 Sheets.

CLASS $32F_3$b. 152937.

Int. Cl. C07 c 65/16, 49/68, 143/38.

PROCESS FOR THE PREPARATION OF A SALT OF 2-PHENOXYANTHRAQUINONE POLYSULFONIC ACID.

Applicants : MITSUI TOATSU CHEMICALS, INCORPORATED, OF NO. 2-5, KASUMIGASEKI 3-CHOME, CHIYODA-KU, TOKYO, JAPAN.

Inventors : 1. MATSUYA SAKAI, 2. RYUICHI MITA, 3. TOSHI KATO, 4. CHOJIRO HIGUCHI, 5. HISAMICHI MURAKAMI.

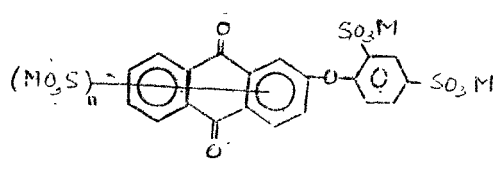
Application No. 1308/Cal/81 filed November 23, 1981.

Division of Application No. 333/Cal/1979 dated 3rd April, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims.

A process for the preparation of a salt of 2-phenoxyanthraquinonepolysulfonic acid of the general formula II of the accompanying



drawing wherein M is sodium, potassium or an ammonium group and n is an integer of 1 or 2,

characterized in that 2-phenoxyanthraquinone is heated with fuming sulfuric acid, sulphur trioxide or chlorosulfonic acid to obtain salt of said 2-phenoxyanthraquinone polysulfonic acid.

Compl. Specn. 39 pages. Drgs. 8 Sheets.

CLASS : 103, 176 1. 152938.

Int. Cl. F23 j 3/00.

LANCE TUBE FOR CLEANING APPARATUS FOR BOILERS.

Applicants : THE BABCOCK & WILCOX COMPANY, OF 1010 COMMON STREET, NEW ORLEANS, LOUISIANA 70160, UNITED STATES OF AMERICA.

Inventor : 1. MELVIN ALEX FREUND.

Application No. 538/Cal/79 filed May 24, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

A lance tube for cleaning apparatus for boilers and the like, which apparatus is designed to project an aqueous liquid, comprising an elongated tube having an inlet end and a discharge end, discharge orifice means appurtenant to the discharge end thereof and through which tube liquid is adapted to be conducted for discharge through such orifice means, characterized by a filler tube extending longitudinally within the lance tube and comprising a sealed hollow enclosure, the filler tube being of lesser diameter than the lance tube and having a total weight less than the weight of water displaceable thereby means being provided to space the filler tube form the internal wall of the lance tube, whereby liquid may flow between the lance tube and filler tube for discharge through such orifices.

Compl. Specn. 9 pages. Drgs. 1 Sheet.

CLASS : 32F2c. 152939.

Int. Cl. C07c 93/00.

PROCESS FOR THE PREPARATION OF A NITROGEN-CONTAINING, PHOSPHORUS-FREE CARBOXYLIC ACID DERIVATIVE.

Applicants : THE LUBRIZOL CORPORATION, OF 29400 LAKELAND BLVD., WICKLIFFE, OHIO 44092, U.S.A.

Inventor : 1. JOHN WESLEY FORSBERG.

Application No. 977/Cal/79 filed September 18, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims.

A process for the preparation of a nitrogen-containing, phosphorus-free carboxylic acid derivative comprising reacting (A) at least one carboxylic acid acylating agent being represented by the formula shown in Figures 3 or 4 of the accompanying drawings

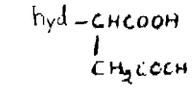
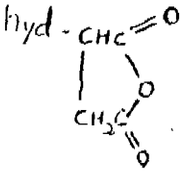


Fig-3



wherein hyd is a substantially hydrocarbyl alkyl or alkenyl group of 30 to 500 carbon atoms with (B) at least one alkanol tertiary monoamine being represented by the formula shown in Figure 5.

wherein each R is independently a hydrocarbyl group of one to 20 carbon atoms and R' is an alkylene group of 2 to 18 carbon atoms, the reaction between components (A) and (B) being conducted at a temperature in the range of 30°C to the decomposition temperature of one or more of the reaction components and/or products.

Compl. Specn. 17 pages. Drgs. 1 Sheet.

CLASS : 190B. 152940.

Int. Cl. F16 m 1/04.

A TURBINE HOUSING.

Applicants : CUMMINS ENGINE COMPANY, INC., OF 1000 FIFTH STREET COLUMBUS, INDIANA 47201 U.S.A.

Inventor : PAUL MARK CHAPPLE.

Application No. 1080/Cal/79 filed October 17, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims.

A turbine housing surrounding the periphery of a turbine wheel having an axis of rotation, said housing including at least one elongated substantially spiral passageway for compressible fluids having an external inlet and an internal outlet for encompassing said wheel periphery, characterized by the said passageway being defined by a pair of opposed axisymmetrical side walls extending circumferentially around at least 360 arc degrees of said axis and, having inner diameters proximate the periphery of said turbine wheel, said axisymmetry resulting in a predetermined constant distance between said opposing side walls at a given radius from said turbine wheel axis, said distance measured parallel to said turbine wheel axis and varying only as a function of radial distance and not as a function of arc degrees, and a peripheral wall extending between said side walls in a direction generally parallel to the axis of said turbine wheel, said peripheral wall coextensive with said axisymmetrical side walls around at least 360 arc degrees of said axis, the radial distance of said peripheral wall from said turbine wheel axis being defined by the path prescribed by the direction of said fluid flow in a free vortex concentric with said turbine wheel axis and constrained by said axisymmetrical side walls, the angle, measured in a plane perpendicular to the wheel axis of rotation, between a tangent to said peripheral wall at a given location and a radial line from the wheel axis to said location varying as a function of the radial and tangential components of the fluid velocity at that location, whereby there are no resolved wall pressure components, except for the effects of friction, which interact with the fluid tangential velocity as said fluid moves inwards from said inlet to said outlet.

Compl. Specn. 18 pages. Drgs 4 Sheets.

CLASS : 15C & D. 152941.

Int. Cl. F16c 32/00.

CENTER BEARING ASSEMBLY.

Applicants : DANA CORPORATION, OF 4500 DORR STREET, TOLEDO OHIO, UNITED STATES OF AMERICA.

Inventor : JAMES THEODORE REYNOLDS.

Application No. 254/Cal/80 filed March 5, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

A center bearing assembly for resiliently supporting from a rigid support a driven shaft which may be subjected to radial forces and to axial forces in at least one predetermined direction comprising a bearing having a rotatable inner race engaging said shaft, a non-rotatable outer race and a plurality of bearing elements between said inner and outer races, a resilient bushing mounting said outer race, said bushing having first and second sides and an outer edge, a bracket engaging at least a portion of said outer edge and having integral lips engaging said sides adjacent said outer edge, said integral lips retaining said bushing in said bracket, means for mounting said bracket on said rigid support, said bracket further having a flange on the side of said bushing of said predetermined direction, said flange having a predetermined small spacing from said bushing, said spacing limiting axial movement of said bearing in said predetermined direction.

Compl. Specn. 14 pages. Drgs. 2 Sheets.

CLASS : 129Q. 152942.

Int. Cl. B23k 9/00.

METHOD FOR WELDING A HEATPROOF PIPE.

Applicants : KOBE STEEL, LTD., OF 3-18, 1-CHOME, WAKINOHAMACHO, FUKIAI-KU, KOBE-CITY, JAPAN AND CHIYODA CHEMICAL ENGINEERING & CONSTRUCTION CO., LTD., OF 1580, TSURUMI-CHO, TSURUMI-KU, YOKOHAMA-CITY, JAPAN.

Inventors : 1. TAKAO KAWAI, 2. KATSUKI TAKEMURA, 3. YOJI TERAMOTO, 4. TETSURO ISHIHARA, 5. TOSHIKAZU SHIBAZAKI.

Application No. 320/Cal/80 filed March 20, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims.

A method for welding a heatproof pipe characterized in that shield arc welding is carried out in the TIG manner with inert gas, through the use of hot wire under the relationship where

$$F \geq \left(\frac{16}{15}\right) \times \frac{W^2 \times V}{\eta D^2}$$

wherein W (mm) is the width of a groove, D (mm) is the diameter of a wire, F (mm/sec) is the feed rate of the wire and V (mm/sec) is the welding rate, thereby welding the heatproof pipe in a butt joint within the groove of an "I" or "U" shape and a small width.

Compl. Specn. 11 pages. Drgs. 10 Sheets.

CLASS : 20B. 152943.

Int. Cl. A47g 1/16.

PICTURE VIEWING DEVICE.

Applicants : LICINVEST AG., OF GRABENSTR. 15 CH-7002 CHUR, SWITZERLAND.

Inventor : 1. PETER ACKERET.

Application No. 410/Cal/80 filed April 9, 1980.

Addition to No. 1041/Cal/78.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

193 Claims.

Picture viewing device having a housing for accommodating a pile of pictures, of which the uppermost picture lies beneath a housing window, having a slider member that may be pulled out of the housing and reinserted parallel to the viewing window, and having a picture change mechanism consisting of a transporter, by means of which a picture can be removed form one side of the pile as the slider member is withdrawn and is guided to the other side of the pile again as the slider member is pushed in, and of a retaining device preventing the remainder of the pile form being transported, and having an externally operable device for disabling the picture change mechanism for the removal of the entire pile out of the housing by means of the slider member, according to Indian Patent No. 151508, the retaining device being provided in the form of a separator on the slider member and the transporter being provided in the form of retentive elements on an arrangement located in the housing under spring bias, wherein the pressure arrangement comprises a plate supported by springs, the plate being of dimensions substantially corresponding to the size of the pictures, and on which the retentive elements are arranged.

Compl. Specn. 87 pages. Drgs. 36 Sheets.

CLASS : $40A_L$. 152944.

Int. Cl. B01j 9/04.

AXIAL-RADIAL REACTOR FOR HETEROGENEOUS SYNTHESIS.

Applicants : AMMONIA CASALE S. A., OF 1, RIVA A. CACCIA 6900 LOGANO, SWITZERLAND, AND UMBERTO ZARDI, OF VIA CASTAUSIO 19, 6900 LUGANO, SWITZERLAND.

Inventor : 1. UMBERTO ZARDI.

Application No. 728/Cal/80 filed January 26, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims.

Reactor for heterogeneous synthesis under low pressure, particularly for the catalytic synthesis of ammonia, methanol and similar products, such reactor involving the use of a catalyst in granules in various shapes and with different characteristics arranged in one or more superimposed layers, characterised by the fact that each catalyst layer is devided in two zones each running through by a different reactant has flow, namely a first upper zone with a prevalently axial flow and a second lower zone with a prevalently radial flow, said catalyst zone with prevalently axial flow acting also as sealing paid between catalyst layers

Compl. Specn. 17 pages. Drgs. 3 Sheets.

CLASS : 8. 152945.

Int. Cl. G08 b 17/00.

SYSTEM FOR DETECTING FIRE GIVING ALARM AND EXTINGUISHING FIRE.

Applicants : JAGADISH PRAKASH MATHUR C/O. A. B. MATHUR, FLAT NO. 12, 57, ELLIOT ROAD, CALCUTTA-700016, WEST BENGAL, INDIA.

Inventor : 1. JAGADISH PRAKASH MATHUR.

Application No. 1181/Cal/80 filed October 16, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

A system for detecting fire in a building giving an alarm or signal on the occurence of fire and extinguishing the fire

comprising a separate detector and fire extinguishing unit in each room, the units in different rooms being under the control of a single master control unit, each detector unit including a plurality of fire detectors F_1—F_{14} (Figs. 1 and 2) connected in series and a circuit having two normally de-energised electro-magnetic relays RG, RH, (Fig. 1) three manually operated switches SC, SD and SE and an electric motor for driving the pump for supplying water to one or more sprinklers and the master control unit comprising electro-magnetic relays R, RB, RC, RD and RE, (Fig. 1) indicator lamps LA, LB, LC, LD and LE, (Fig. 1) a horn or hooter HC an electric bell, blinker, an electric horn or hooter and a time delay device all inter connected and connected across a low voltage direct current voltage line and power line as illustrated in Figure 1 of the drawings, the relays RA and RB (Fig. 1) being normally energised and the lamp LA (Fig. 1) indicating the circuits being in order, the fire detector circuit being adapted to be broken during a fire and to cause the ring of the bell, buzzer and blinker and to actuate the time delay device which after a predetermined interval is adapted to cause the motor of the sprinkler pump to be connected to the power line.

Compl. Specn. 20 pages. Drgs. 2 Sheets.

CLASS : 85 C. 152946.

Int. Cl. B65g 15/00.

FEEDER OF BULK MATERIALS.

Applicants : VSESOJUZNY NAUCHNO-ISSLEDOVATELSKY I PROEKTNOKONSTRUKTORSKY INSTITUT ATOMNOGO ENERGETICHESKOGO MASHINOSTROENIA, OF NARYSHKINSKAYA ALLEYA, 5. MOSCOW, USSR.

Inventor : 1. VLADIMIR PETROVICH GLEBOV, 2. GEORGY VLADIMIROVICH KRIVTSOV, 3. JURY VASILIEVICH DANCHENKOV, 4. SERGEI ALEX-ANDROVICH KHUKHRY, 5. SERGEI GRIGORIEVIC SCHEPOTIN.

Application No. 125/Cal/81 filed February 3, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims.

A feeder of bulk materials (fuels) comprising a conveyor and a batcher, the case whereof is separated into at least three sections; the batcher case accommodates drives incorporating output shafts; each section uses a band for transferring bulk material, with bands in one sections moving in direction opposite to that of the bands in other sections, and with the sections using the bands moving in one direction arranged in alternate succession with the sections using the bands moving in opposite direction; the drive of the sections using the bands of the same direction of movement is made common to them and is fitted with output shafts linked with shafts of the sections through couplings serving for coupling and uncoupling the drives and the shafts; a top part of the batcher case mounts a receiver tube for receiving bulk material, and a bottom part of the batcher case mounts an outlet tube wherethrough bulk material is supplied form the batcher to the conveyor.

Compl. Specn. 12 pages. Drgs. 2 Sheets.

CASS : 107H. 152947.

Int. Cl. F02 m 49/00.

A FUEL INJECTION PUMP.

Applicants : STANADYNE, INC, OF 92 DEERFIELD ROAD, WINDSOR, CONNECTICUT, U.S.A.

Inventor : 1. DANIEL EDWIN SALZGEBER.

Application No. 377/Cal/81 filed April 6, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims.

A fuel injection pump having a housing, a charge pump to deliver measured charges of fuel in successive pumping strokes to the cylinders of an associated engine and having timing means to vary the timing of the pumping strokes relative to the operation of the associated engine apparatus for actuating the timing means for advancing and retarding the timing of the pumping strokes responsive to the operating conditions of the associated engine comprising a Cylinder, a source of fuel under pressure correlated with engine speed in communication with one end of the Cylinder, a fuel return passageway for returning fuel from the other end of the cylinder to the pump housing, a piston in the cylinder having its ends exposed to the fluid pressured in opposite ends of the cylinder, the piston being connected to the timing means for actuating the timing means in a direction for advancing the timing of the pumping strokes responsive to increase in fluid pressure at said one end of the cylinder, spring means urging the piston in the opposite direction, a drainage passageway for releasing fuel from the pump housing, valve means in said passageway for maintaining a predetermined fluid pressure in the pump housing, and means for releasing the fluid pressure from the pump housing.

Compl. Specn. 13 pages. Drgs. 4 Sheets.

CLASS : $60x_2$ b. 152948.

Int. Cl. A61 k 25/00.

A PROCESS FOR PREPARING A TRACER-CONTAINING PROTEIN PURIFIED FROM MYCOBACTERIUM TUBERCULOSIS.

Applicants : MONTEFIORE HOSPITAL AND MEDICAL CENTRE, OF III EAST 210TH STREET, BRONX, NEW YORK, 10467, UNITED STATES OF AMERICA.

Inventor : EUGENE WHITEHORN STRAUS.

Application No. 470/Cal/81 filed May 5, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims.

A process for preparing a tracer-containing protein purified from *Mycobacterium tuberculosis* which comprises :

lebeling a mixture of tubercular proteins isolated from the growth media of *Mycobacterium tuberculosis;*

chromatographing form said mixture of labeled tubercular proteins, a labeled, charcoal-adsorbable protein having a molecular weight of 20,000-30,000, which is stable over a PH range of from 3.0 to 9.0 and over a temperature range of 4°C-250°C.

Compl. Specn. 41 pages. Drgs. 2 Sheets.

CASS : 84A. 152949.

Int. Cl. C10 j 3/00.

PROCESS OF SIMULTANEOUSLY PRODUCING FUEL GAS AND PROCESS HEAT FROM CARBONACEOUS MATERIALS.

Applicants : METALLGESELLSCHAFT A. G., OF 16 FRANKFURT A. M., REUTERWEG, WEST GERMANY.

Inventors : 1. HANS BEISSENGER, 2. GEORG DARADIMOS, 3. MARTIN HIRSCH, 4. LUDOLF PLASS, 5. HARRY SERBENT.

Application No. 657/Cal/81 filed June 17, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims.

A process of simultaneously producing fuel gas and process heat from carbonaceous materials wherein the carbonaceous materials are gasified in a first fluidized bed stage and the combustible constituents left after the gasification are subsequently burnt in a second fluidized bed stage, characterized in that (a) the gasification is carried out at a pressure of up to 5 bars and a c temperature of 800 to 1100°C by a treatment with oxygen-containing gases in the presence of steam in a circulating fluidized bed and 40 to 80% of the carbon contained in the starting material are thus reached;

(b) sulfur compounds are removed from the resulting gas in a fluidized state at a temperature in the range from 800 to 1000°C and the gas is then cooled and subjected to dust collection;

(c) the gasification residue together with the by-products which have become available in the purification of the gas, such as laden desulfurizing agent, dust and aqueous condensate, are fed to another circulating fluidized bed and the remaining combustible constituents are burnt there with an oxygen excess of 5 to 40%, and the heat of reaction liberated during the sulfatization and during the combustion is recovered as process heat.

Compl. Specn. 31 pages. Drgs. 1 Sheet.

CLASS : 206E. 152950.

Int. Cl. H03 b 27/00.

AN APPARATUS FOR GENERATING WAVEFORMS WHICH ARE PARTICULARLY SUITABLE FOR A PWM-DRIVEN MOTOR.

Applicants : UNIVERSITY OF AUCKLAND OF PRINCES STREET, AUCKLAND, NEW ZEALAND.

Inventor : 1. JOHN TALBOT BOYS.

Application No. 1296/Cal/79 filed December 12, 1979.

Convention date December 12, 1978 (189153/78) Newzealand—

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

17 Claims.

An apparatus for generating waveforms which are particularly suitable for a PWM-driven motor to generate a triangle waveform, having substantially linearly sloped, gradually increasing and decreasing edges, of a frequency that is an integral multiple of the phases of a multi-phase sine wave signal, characterized by a detector coupled to receive the phases of the sine wave signal for detecting when a segment of any phase is within a predetermined angular amount from a reference crossing level; and a selector coupled to the detector for selecting successive ones of the detected segments to synthesize the triangle waveform.

Compl. Specn. 57 pages. Drgs. 7 Sheets.

CLASS : 70B. 152951.

Int. Cl. C01 b 7/06.

ELECTRODE FOR ELECTROCHEMICAL PROCESSES AND PROCESS FOR PRODUCING SAME.

Applicants and Inventors : 1. ALXANDER TIMOFEEVICH SKLYAROV, OF ZHIVOPISNANA ULTISA, 17, KV. 26, MOSCOW, USSR; 2. VIKTOR PAVLOVICH ARCHAKOV, OF ULITSA VAVILOVA, 20, KV. 47, MOSCOW, USSR; 3. VALENTIN ISAAKOVICH EBERIL, OF FESTIVALNAYA ULITSA, 46, KV. 188, MOSCOW, USSR; 4. VLADIMIR IFONIDOVICH KUBASOV, OF KIROVOGRADSKAYA ULITSA, 4, KORPUS 2, KV. 135, MOSCOW, USSR; 5. INNA VLADIMIROVNA BORINEVICH, OF ULYANOVSKAYA ULITSA, 34, KV. 48, MOSCOW, USSR; 6. ASYA IVANOVNA MARCHENLOVA, OF ULITSA PYATNITSKAYA ULITSA 9/28, KV. 2, MOSCOW, USSR; 7. VYACHESLAV STEPANOVICH SITANOV, OF VOLGOGRAD, ULITSA MIRA, 6, KV. 13, USSR; 8. VIADIMIR IVANOVICH FISIN, OF VOLGOGRAD, ULITSA 50-LETIA OKTYABRYA, 28, KV. 120, USSR; 9. NIKOLAI FEDOROVICH MOKHOV, OF VOLGOGRAD, 50 LETIA OKTYABRYA, 47, KV. 245, USSR; AND 10. LEONID YAKOVLEVICH TSYBIN, OF VOLGOGRAD, ULITSA REDEEVA, 20, KV. 160, USSR.

Application No. 603/Cal/80 filed May 22, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

17 Claims.

A process for producing an improved graphite base electrode for electrochemical pdocesses comprising introduction, into at least a portion of pores of the graphit base, of at least one metal or a compound of a metal as herein described and possessing electrocatalytic properties, followed by introduction, into at least a portion of said graphite base pores, of an electrochemically inert organic compound as herein described and insoluble in the electrolyte used in electrochemical processes and having the temperature of transition to the gas state and/or dropping point above the electrode temperature during electrolysis.

Compl. Specn. 37 pages. Drgs. Nil.

CLASS : 205K. 152952.

Int. Cl. B60 c 9/00.

A PROCESS FOR THE MANUFACTURE OF TIRES BY MOLDING AND TIRES OBTAINED BY THIS PROCESS.

Applicants : MICHELIN & CLE OF 4, RUE DU TERRAIL, 63040 CLERMONT-FERRAND, FRANCE.

Inventors : 1. ANDRE SHNEIDER, 2. JEAN-PIERRE CESAR, 3. JACQUES GOUTTEBESSIS.

Application No. 711/Cal/80 filed June 19, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

21 Claims.

A process of manufacturing tires having a crown reinforcement from one or more liquid or pasty materials which solidify in a core mold, characterized by the fact that prior to the filling of the mold there is placed in the mold at least one annular net of suitable width, continuous in the circumferential direction of the tire and elastically deformable so that in deformed state its developed length is equal to the developed length of the crown reinforcement, said net being formed of two superimposed plies of wires parallel in each ply and crossed form one ply to the other at an angle at most equal to 90° with respect to the circumferential direction of the tire, at least the outside of the wires being formed of an elastic and weldable material permitting welding of the wires of one ply to those of the other ply at the points where they interest, the net being placed in the mold with its edges equidistand from the equatorial plane of the tire.

Compl. Specn. 24 pages. Drgs. 3 Sheets.

CLASS : 108C. 152953.

Int. Cl. C21 c 5/39, 5/38.

PRODUCTION OF CARBON STEEL AND LOW-ALLOY STEEL WITH BOTTOM BLOWING BASIC OXYGEN FURNACE.

Applicants : SUMITOMO METAL INDUSTRIES, LTD., OF 15, 5-CHOME, KITAHAMA, HIGASHI-KU, OSAKA-SHI OSAKA JAPAN.

Inventors : 1. KATSUKIYO MARUKAWA, 2. ISAO YAMAZAKI, 3. SYOJI ANEZAKI, 4. TSUTOMU KAJIMOTO, 5. YASUYUKI TOZAKI, 6. MINORU UEDA, 7. TAKEYUKI HIRATA, 8. SEIICHI MASUDA, 9. NOBUYOSHI HIROKI.

Application No. 714/Cal/80 filed June 20, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

15 Claims.

A method of producing carbon steel and low-alloy steel in a basic oxygen furnace as herein before described comprising preparing a molten metal suitable for producing the steel in said basic oxygen furnace, carrying out the top-blowing and bottom-blowing and then tappling the resulting molten steel, characterized in that a blow of the bottom-blowing gas comprising more than 50% of carbon dioxide gas is blown into the molten metal through at least one nozzle provided in the bottom or side wall of said basic oxygen furnace at least partly during the period of time form the beginning of blowing to the tapping of the melt, the flow rate of the bottom-blowing gas reaches 1/200-9/100 the rate of oxygen impinged from top upon the melt through a lance at least partly during the period of time form the beginning of blowing to the tapping of the melt.

Compl. Speen. 31 pages. Drgs. 4 Sheets.

CLASS : 47B. 152954.

Int. Cl. C10j 3/02, 3/24.

POKE HOLE CLOSURE.

Applicants : DRAVO CORPORATION, OF ONE OLIVER PLAZA, PITTSBURGH, PENNSYLVANIA, UNITED STATES OF AMERICA.

Inventor : 1. WALLACE HAMILTON.

Application No. 715/Cal/80 filed June 20, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

A poke hole closure assembly for a gas producer to minimize the escape of noxious or volatile gas from the producer during the poking operation, comprising closure means for a poke hole of a gas producer, said closure means comprising a block having an aperture therethrough, means to attach said block to a gas producer so that said aperture is in substantial alignment with a poke hole, a closure plate hinged to said block to block said aperture and poke hole during normal operating conditions and being openable to enable a poker to be inserted therethrough, and nozzle means, responsive to the opening of said closure means, including a passage means communicating with the interior of said aperture for conducting an inert gas to said aperture and into said poke hole.

Compl. Speen. 10 pages. Drgs. 1 Sheet.

CLASS : 158D. 152955.

Int. Cl. B61 f 5/26.

A RAILWAY VEHICLE OR BOGIE.

Applicants : BRITISH RAILWAYS BOARD, OF 222 MARYLEBONE ROAD, LONDON N. W. 1., ENGLAND.

Inventors : 1. DR. MAURICE GEORGE POLLARD. 2. DR. ROBERT ILLINGWORTH.

Application No. 937/Cal/80 filed August 18, 1980.

Convention date 6th September, 1979 (7930895) U. K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

A railway vehicle or bogie, comprising a pair of side frames, at least two wheel sets each having a live axle mounted in a respective pair of axle bearings, a traction motor for each wheel set comprising a motor casing mounted for rotation on said associated live axle via mounting means which otherwise maintains the motor casing rigid with and substantially parallel to said associated live axle, means for securing each motor casing to prevent rotation of said motor casing about its said associated live axle, and bracing means comprising a pivoted link arrangement having at least one link member connected between said motor casings on the respective wheel sets and being pivotably resiliently mounted for rotation about at least one vertical axis positioned directly between said casings, said bracing means providing a stiffness through said motor casings to restrain parallel shear movement of one of said wheel sets relative to the other in a substantially horizontal plane.

Compl. Speen. 13 pages. Drgs. 2 Sheets.

OPPOSITION PROCEEDINGS

(1)

The opposition entered by Sigma Engineers and Suppliers whose partners are Tayab Potia, Fakhruddin Potia, and Muslim Potia to the grant of a Patent on application No. 1444487 made by Mrs. Ami Anupama Gandhi as notified in the Gazette of India, Part-III, Section 2 dated the 2nd December, 1978 has been allowed and the grant of a patent on application refused.

(2)

The application for patent No. 149192 made by Trade & Industry Pvt. Ltd., in respect of which opposition was entered by Steel Worth Private Limited as notified in the Gazette of India, Part-III, Section 2 dated the 24th April, 1982 has been treated as withdrawn.

(3)

An opposition has been entered by Pulp and Paper Research Institute to the grant of a patent on application No. 152113 made by Pressels Pvt. Ltd.

PATENTS SEALED

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REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

Class 1. No. 153374. Eagle Flask Private Limited (an existing Company under the Companies Act) at Eagle Estate, Talegaon 410 507, District Pune, Maharashtra State, India, "Cigarette Lighter". 26th August, 1983.

Class 1. No. 153490. Jindal Paper and Plastics Limited, A Company incorporated under the Indian Companies Act. 22nd Milestone, Delhi-Hapur Road, P.O. Jindalnagar, Ghaziabad, Uttar Pradesh, India. An Indian Company. "Pipe". 22nd September, 1983.

Class 1. No. 154085. Suzuki Jidosha Kogyo Kabushiki Kaisha, a corporation duly organized and existing under the laws of Japan, of 300, Kamimura Takatsuka, Hamana-gun, Shizuoka-ken, Japan. "Motor Scooter". 25th February, 1984.

Class 1. No. 153485. Shourie Copicurs Private Limited, 2A. DLF Industrial Area, New Delhi 110 015, India, an Indian Companyy. "A Timer (an Attachment for a Photocopying Machine), 21st September, 1983.

Class 1. No. 153479. The Jay Engneering Works Ltd., of 23 Kasturba Gandhi Marg, New Delhi-110 001, India, a company incorporated in India. "Ceiling Fan". 19th September, 1983.

Class 1. No. 154021. Friendsco Engineering Works, 91-A, Shyama Prasad Mukherjee Market, Jhandewalan, New Rohtak Road, New Delhi-110005, India, a partnership firm. "Diesel Fuel Pump Test Bench". 1st February, 1984.

Class 1. No. 154025. Raj Kumar Maini, an Indian National/ FD-1, Tagore Garden, New Delhi-110027. "Cycle Cable Lock". 3rd Februaryy, 1984.

Clas 1. No. 154035. Kirloskar Brothers Limited, (a Company incorporated under the provisions of Indian Companies Act) at Udyog Bhavan, Tilak Road, Pune-411 002, Maharashtra State, India, "a Seat", 6th Februry, 1984.

Class 1. No. 154036. Kirloskar Brothers Limited, (a Company incorporated under the provisions of Indian Companies Act) at Udyog Bhavan, Tilak Road, Pune-411 002 (Maharashtra State, India. "a Housing". 6th February, 1984.

Class 3. No. 153931. 1. Velmuruga Nadar Vannianandam Nadar Dhanushkodi Nadar Dhanapalan, 2. Velmuruga Nadar Vannianandam Nadar Dhanushkodi Nadar Nityanandam, 3. Velmuruga Nadar Vannianandam Nadar Dhanushkodi Nadar Dhayanandam, 4. Velmuruga Nadar Vannianandam Nadar Dhanushkodi Nadar Ravindran and 5. Velmuruga Nadar Vannianandam Nadar Dhanushkodi Nadar Bremanandam of V. V. Dhanushkodi Nadar & Sons, 90/ 91 South Raja Street, Tuticorin 628 001, Tamil Nadu, Indian Nationals. "Containers". 30th December, 1983.

Class 3. No. 153618. Dilip Jitendra Bhatt trading as Daystar Enterprises, 5688, Kali Peerji Shingara Chowk Nabi Karim, Delhi-110006. "Prismatic Louvre". 1st November, 1983.

Class 4. No. 153475. LIGHT-O-LAMP 32 Ezra Street, Calcutta-700 001, West Bengal, a partnership firm. "Container for Kerosene Lamps". 16th September, 1983.

EXTENSION OF COPYRIGHT FOR THE SECOND PERIOD OF FIVE YEARS

Nos. 148090, 148098, 148101,—Class-1.

Nos. 153286, 153986, 143981, 153982, 153983, 153984, 153975, 153976, 153977, 153978, 153979, 153968, 153969, 148094, 148099, 148102, 153971, 153972, 153973, 148181, 148182, 148202, 148203, 148339, 148930, 150389, 150390, 150391, 148191, 148205, 148199, 148294, 148194, 148197, 153484.—Class-3

No. 153483.—Class-4.

EXTENSION OF COPYRIGHT FOR THE THIRD PERIOD OF FIVE YEARS

Nos. 153286, 153986, 153981, 153982, 153983, 153984, 153975, 153976, 153977, 153978, 153979, 153968, 153969, 153971, 153972, 153973, 148181, 148182, 148202, 148203, 148339, 148930, 150389, 150390, 150391, 148205, 148199, 148294, 148194, 148197, 153484.—Class-3.

No. 153483.—Class-4

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Controller General of Patents,
Designs and Trade Marks.

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